

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101722\
 Data File : BF130689.D
 Acq On : 17 Oct 2022 16:27
 Operator : CG\JU
 Sample : N5141-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SV34211L

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/18/2022
 Supervised By : Jagrut Upadhyay 10/18/2022

Quant Time: Oct 18 03:21:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	80233	20.000	ng	0.00
21) Naphthalene-d8	7.863	136	284050	20.000	ng	# 0.00
39) Acenaphthene-d10	9.616	164	135406	20.000	ng	0.00
64) Phenanthrene-d10	11.098	188	195882	20.000	ng	0.01
76) Chrysene-d12	13.727	240	170171	20.000	ng	0.00
86) Perylene-d12	15.109	264	127905	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	258736	58.129	ng	0.01
7) Phenol-d6	6.245	99	180915	32.328	ng	0.02
23) Nitrobenzene-d5	7.151	82	435583	83.713	ng	0.00
42) 2,4,6-Tribromophenol	10.445	330	151992	114.716	ng	0.05
45) 2-Fluorobiphenyl	8.945	172	761943	85.236	ng	0.00
79) Terphenyl-d14	12.680	244	523170	51.026	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.146	88	29283	10.874	ng	97
31) Naphthalene	7.886	128	1228126	83.525	ng	98
37) 2-Methylnaphthalene	8.598	142	3387798	366.128	ng	100
38) 1-Methylnaphthalene	8.692	142	1968938	219.194	ng	99
46) 1,1'-Biphenyl	9.039	154	123447	12.580	ng	98
52) Acenaphthene	9.645	154	112468	15.447	ng	94
58) Fluorene	10.163	166	173923	19.074	ng	# 89
66) n-Nitrosodiphenylamine	10.275	169	269035	41.290	ng	# 60
71) Phenanthrene	11.121	178	641760	59.134	ng	97
72) Anthracene	11.174	178	59351m	5.600	ng	
75) Fluoranthene	12.310	202	37641	3.609	ng	70
78) Pyrene	12.539	202	127426	8.680	ng	# 94
81) Benzo(a)anthracene	13.721	228	50554	4.409	ng	# 48
83) Chrysene	13.757	228	82461	7.585	ng	# 62
90) Benzo(a)pyrene	15.057	252	19923	2.956	ng	# 46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

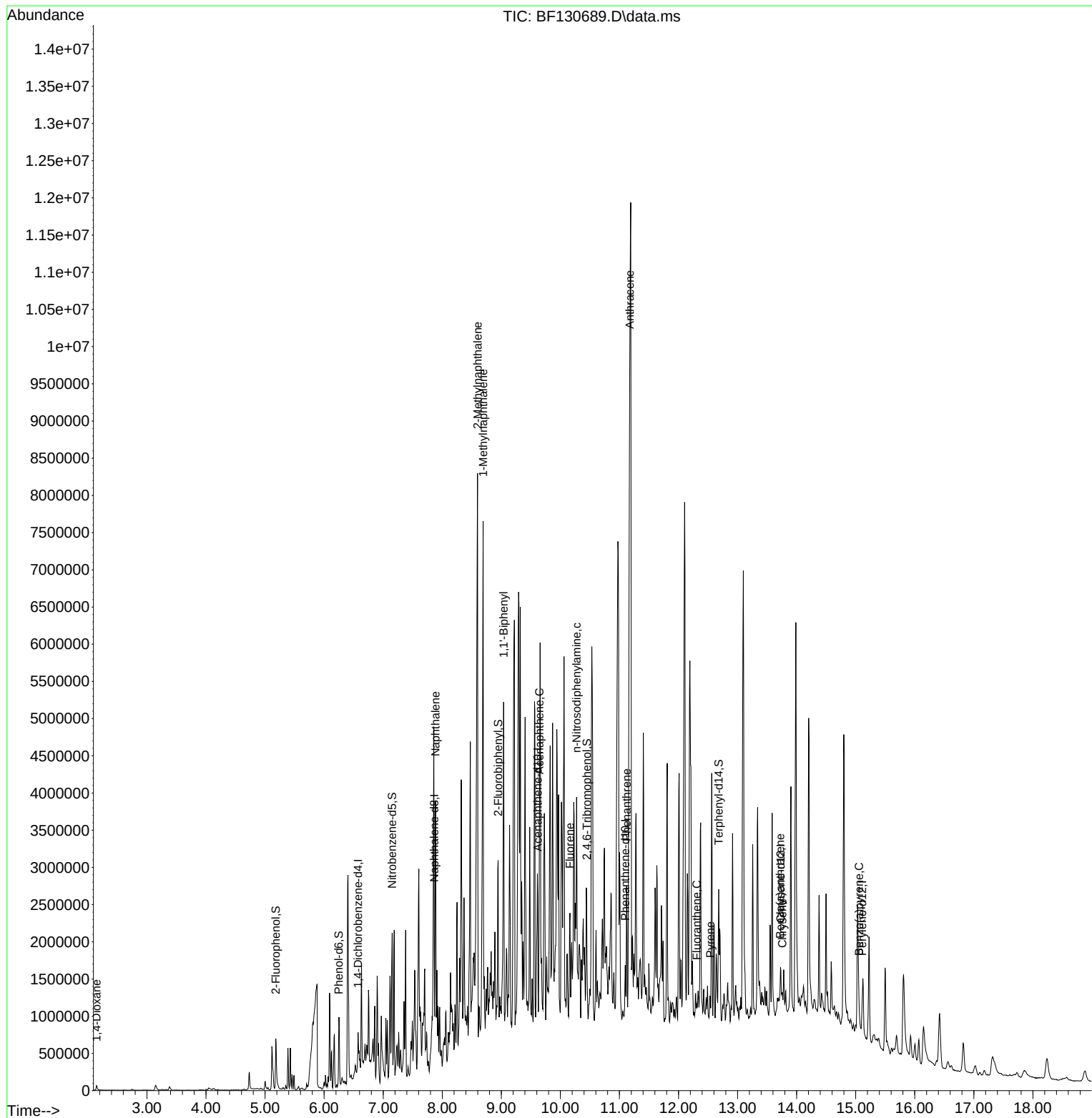
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101722\
Data File : BF130689.D
Acq On : 17 Oct 2022 16:27
Operator : CG\JU
Sample : N5141-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

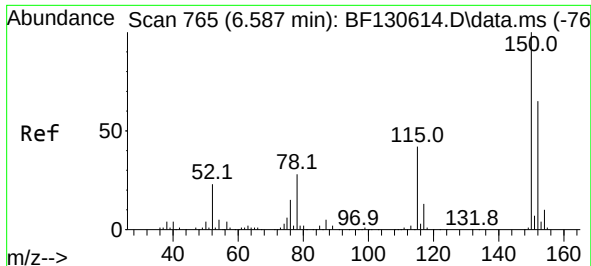
Instrument :
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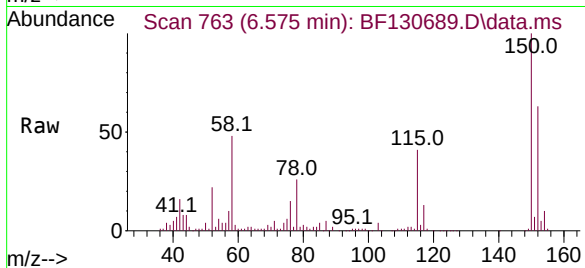
Quant Time: Oct 18 03:21:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

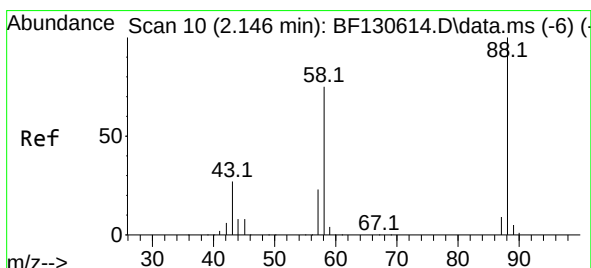
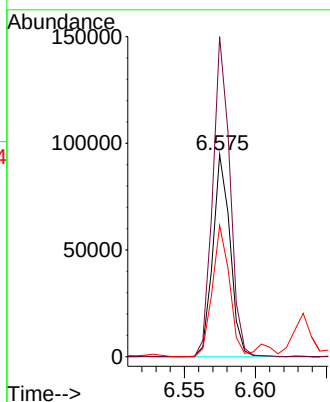
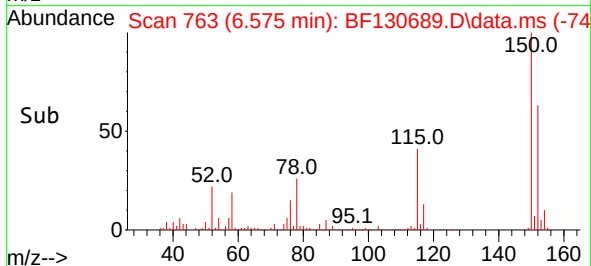
Instrument :
BNA_F
Client SampleId :
SV34211L



Tgt Ion: 152 Resp: 80233
Ion Ratio Lower Upper
152 100
150 158.4 123.8 185.6
115 65.0 52.2 78.4

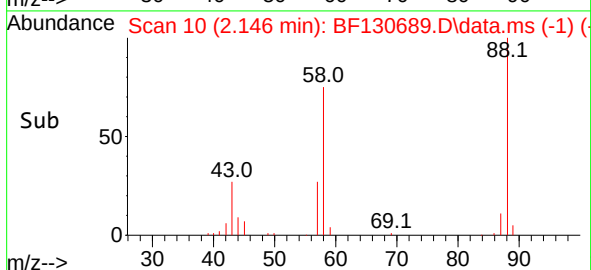
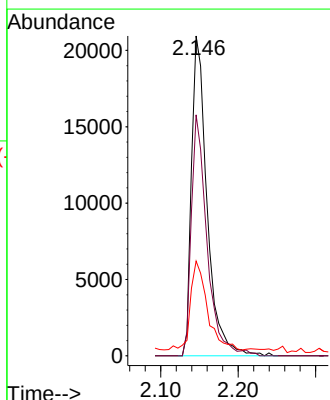
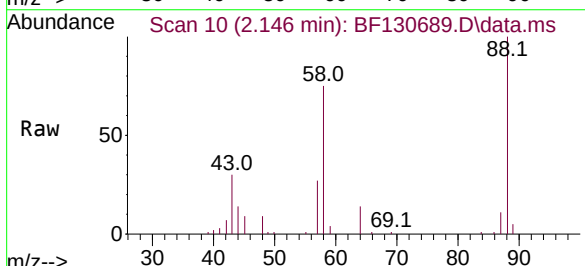
Manual Integrations
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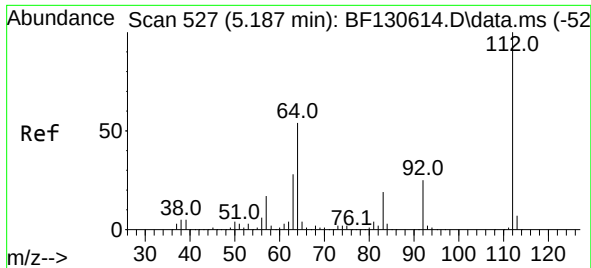
Reviewed By : Christian Giraldo 10/18/2022
Supervised By : Jagrut Upadhyay 10/18/2022



#2
1,4-Dioxane
Concen: 10.874 ng
RT: 2.146 min Scan# 10
Delta R.T. 0.012 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

Tgt Ion: 88 Resp: 29283
Ion Ratio Lower Upper
88 100
58 75.6 58.8 88.2
43 29.9 22.2 33.4





#5
2-Fluorophenol
Concen: 58.129 ng
RT: 5.181 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

Instrument :

BNA_F

ClientSampleId :

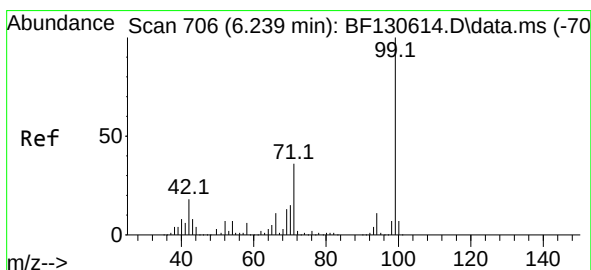
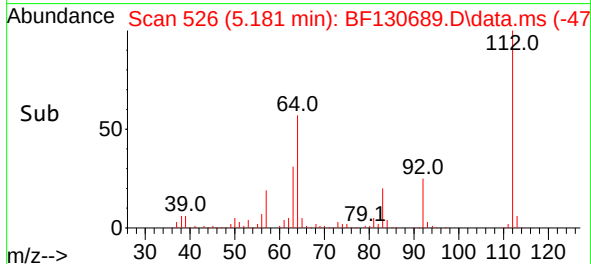
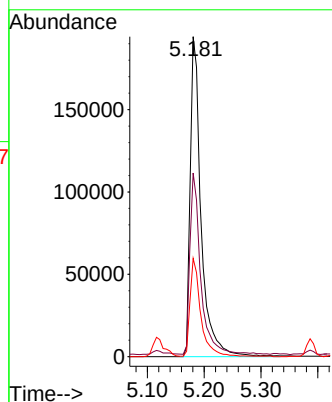
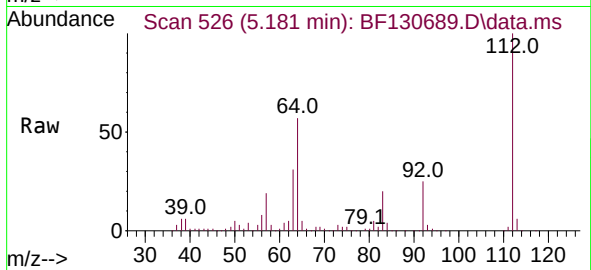
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Tgt Ion:112 Resp: 258736
Ion Ratio Lower Upper
112 100
64 57.4 43.5 65.3
63 30.7 22.6 34.0

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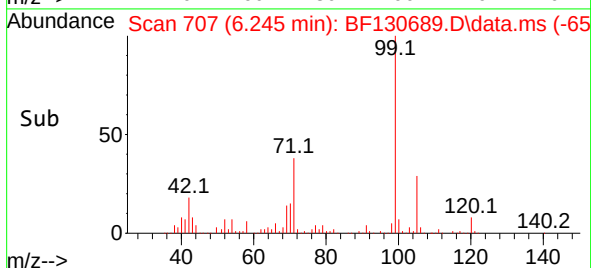
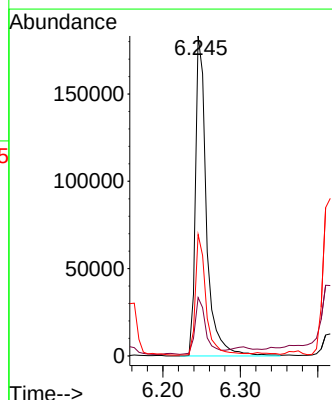
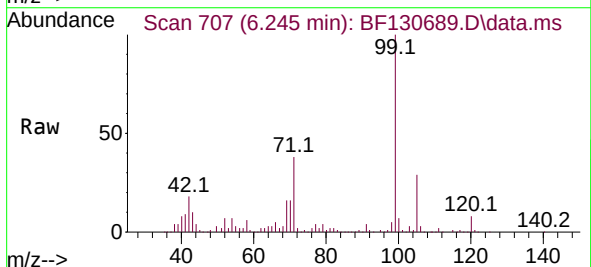
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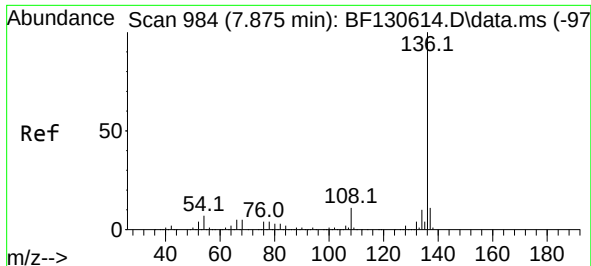
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#7
Phenol-d6
Concen: 32.328 ng
RT: 6.245 min Scan# 707
Delta R.T. 0.018 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

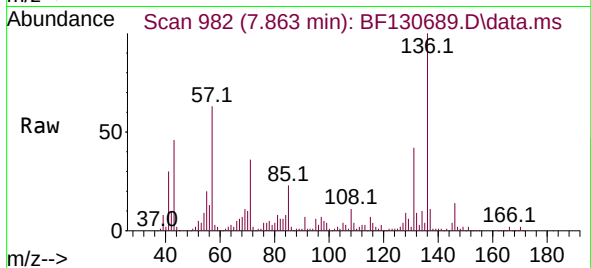
Tgt Ion: 99 Resp: 180915
Ion Ratio Lower Upper
99 100
42 18.2 14.0 21.0
71 37.9 28.8 43.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.863 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

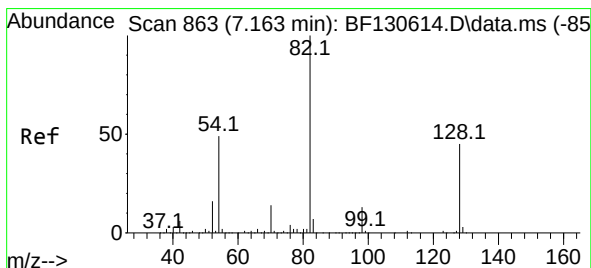
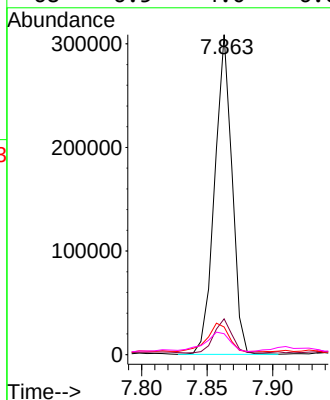
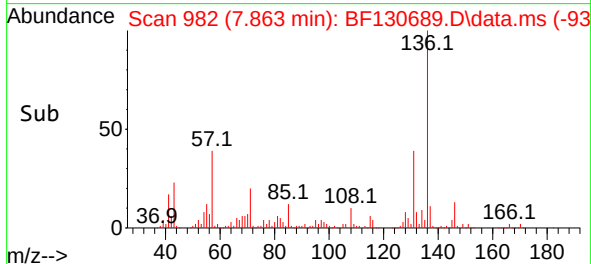
Instrument :
BNA_F
ClientSampleId :
SV34211L



Tgt Ion:136 Resp: 284050
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.6 5.5 8.3
68 6.5 4.0 6.0

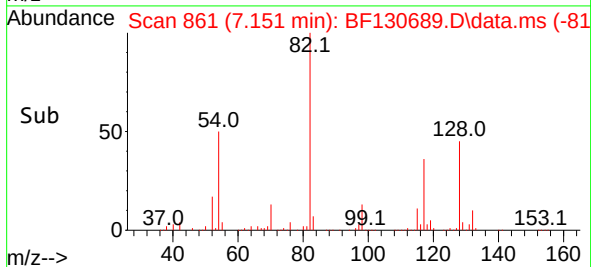
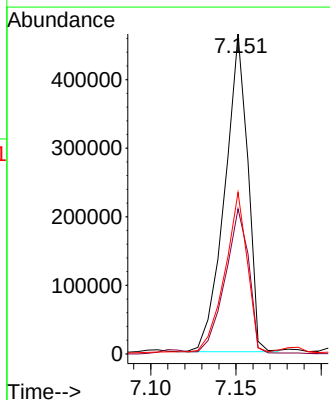
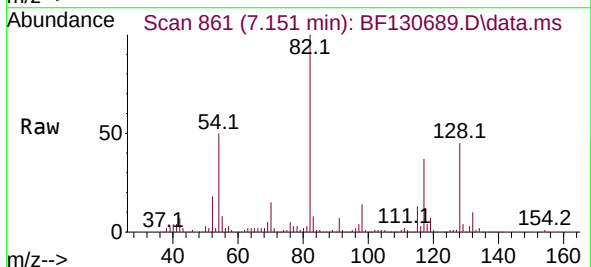
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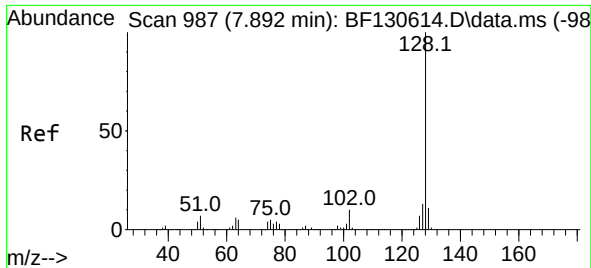
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#23
Nitrobenzene-d5
Concen: 83.713 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

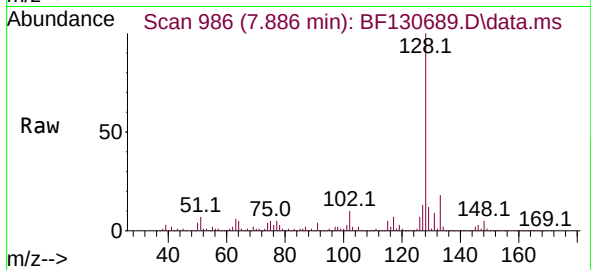
Tgt Ion: 82 Resp: 435583
Ion Ratio Lower Upper
82 100
128 45.3 35.8 53.6
54 50.5 39.3 58.9





#31
Naphthalene
Concen: 83.525 ng
RT: 7.886 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

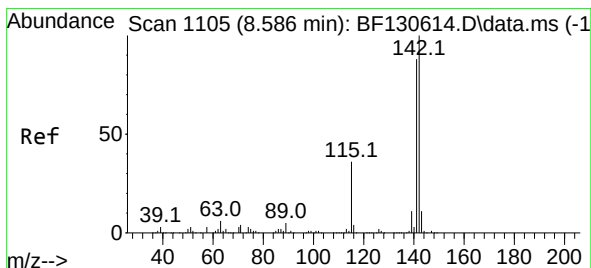
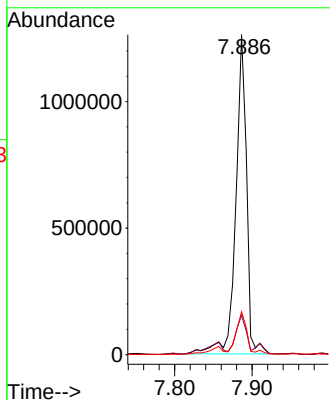
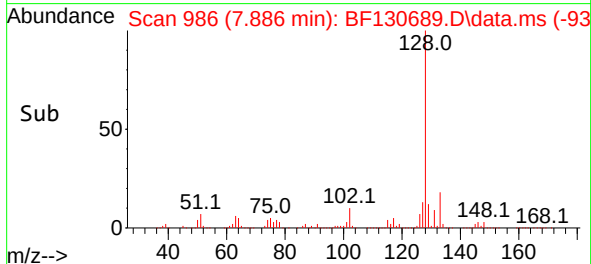
Instrument :
BNA_F
ClientSampleId :
SV34211L



Tgt Ion:128 Resp: 1228126
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 13.4 10.3 15.5

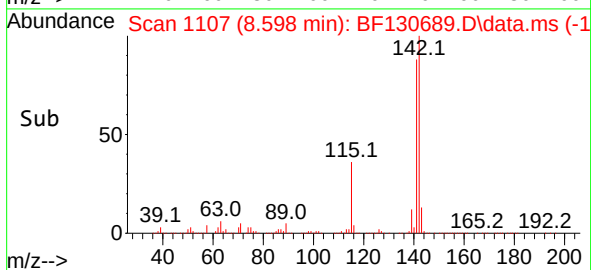
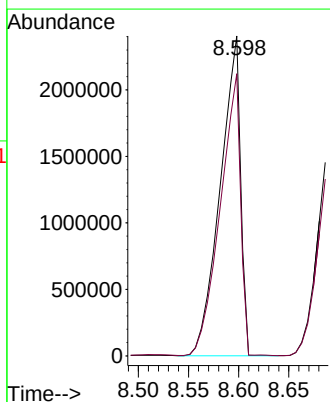
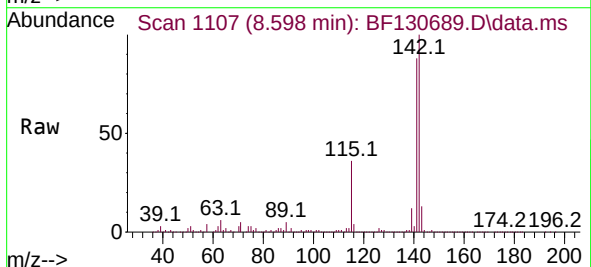
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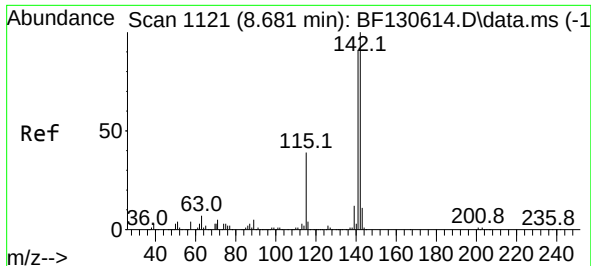
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#37
2-Methylnaphthalene
Concen: 366.128 ng
RT: 8.598 min Scan# 1107
Delta R.T. 0.029 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

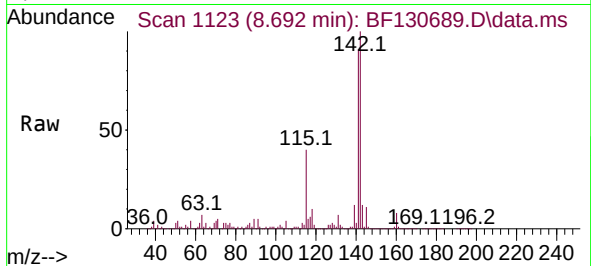
Tgt Ion:142 Resp: 3387798
Ion Ratio Lower Upper
142 100
141 88.2 70.7 106.1





#38
1-Methylnaphthalene
Concen: 219.194 ng
RT: 8.692 min Scan# 1121
Delta R.T. 0.023 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

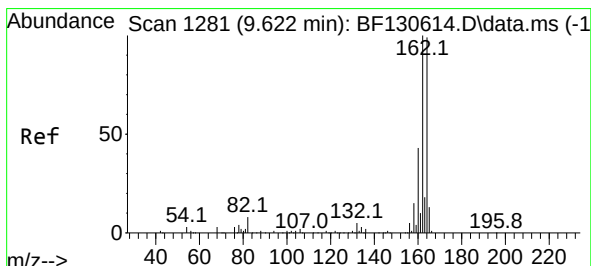
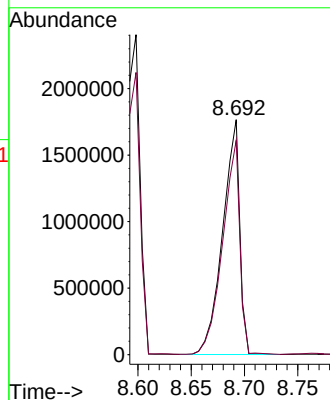
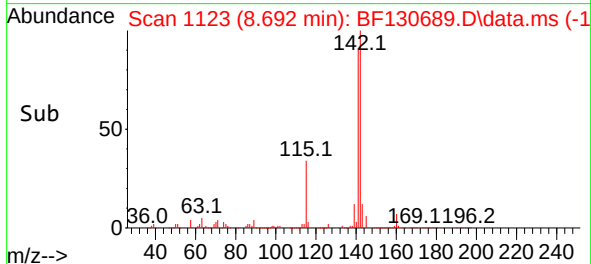
Instrument :
BNA_F
ClientSampleId :
SV34211L



Tgt Ion:142 Resp: 1968938
Ion Ratio Lower Upper
142 100
141 91.2 72.6 108.8

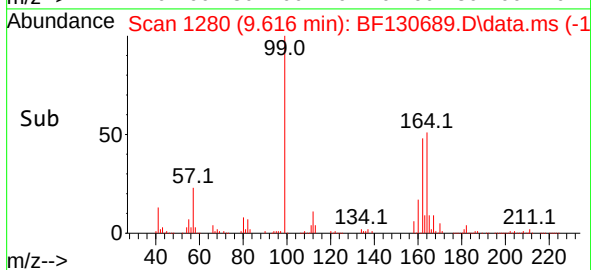
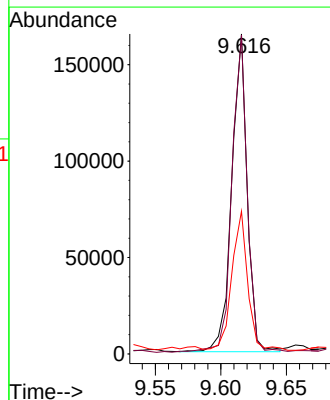
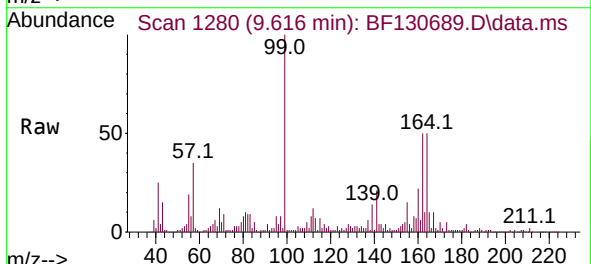
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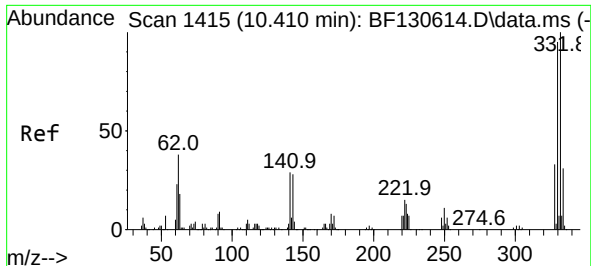
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.616 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

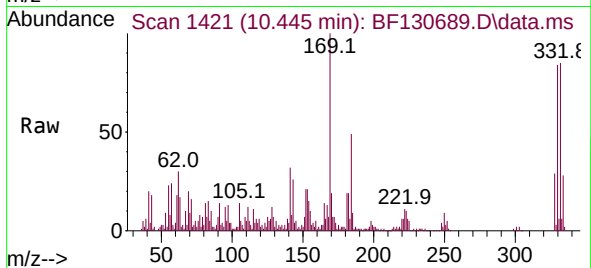
Tgt Ion:164 Resp: 135406
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.4
160 44.6 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 114.716 ng
RT: 10.445 min Scan# 1415
Delta R.T. 0.047 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

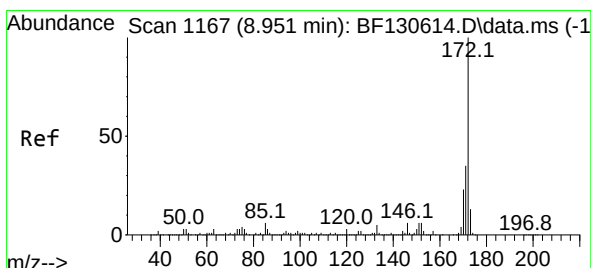
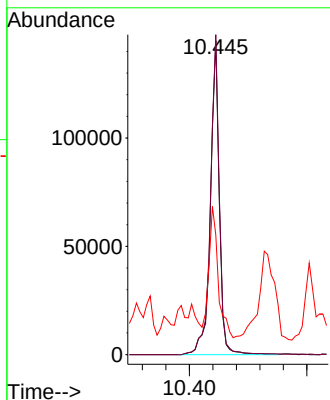
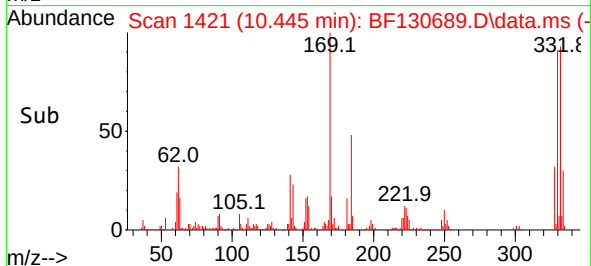
Instrument :
BNA_F
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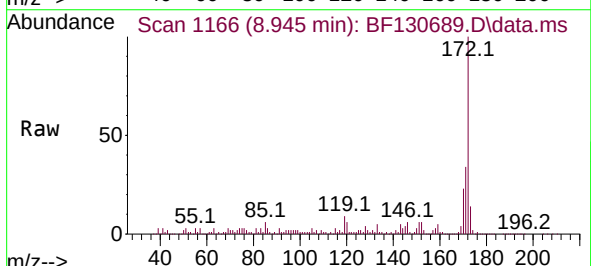
Tgt Ion: 330 Resp: 151992
Ion Ratio Lower Upper
330 100
332 103.9 84.2 126.4
141 42.7 26.8 40.2

Manual Integrations
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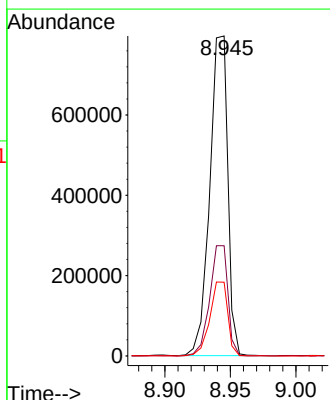
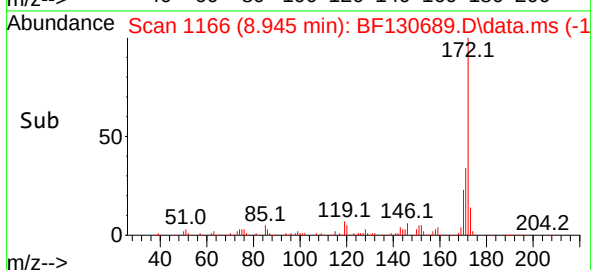
Reviewed By : Christian Giraldo 10/18/2022
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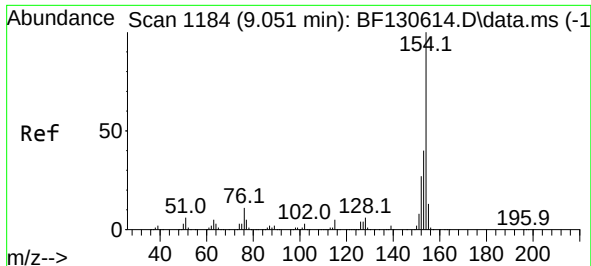


#45
2-Fluorobiphenyl
Concen: 85.236 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27



Tgt Ion: 172 Resp: 761943
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.0 18.6 27.8





#46

1,1'-Biphenyl

Concen: 12.580 ng

RT: 9.039 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

Instrument :

BNA_F

ClientSampleId :

SV34211L

Tgt Ion:154 Resp: 12344

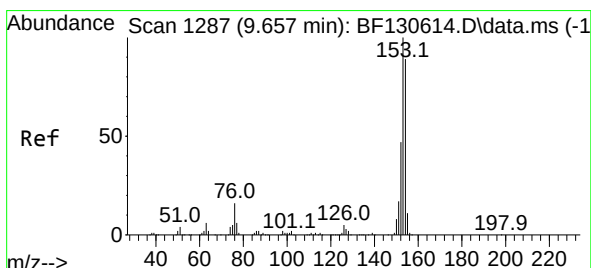
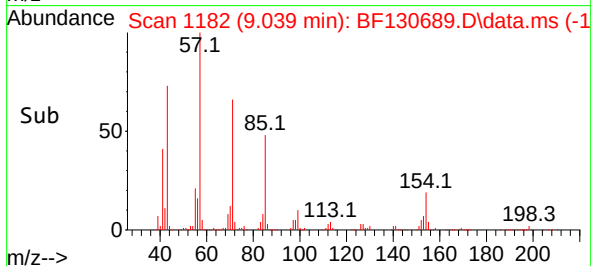
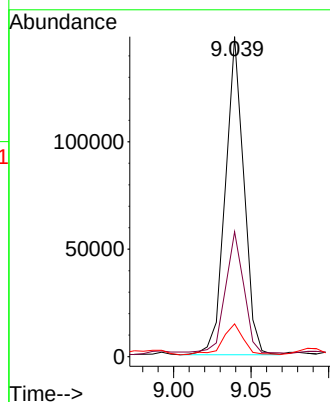
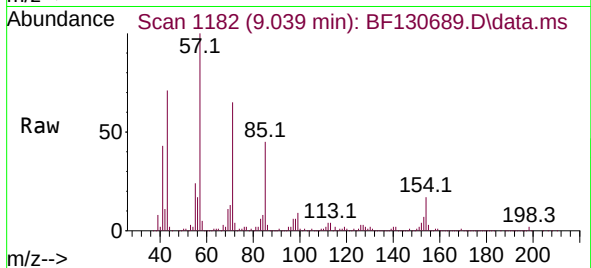
Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.0	60.0
76	10.2	0.0	30.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/18/2022



#52

Acenaphthene

Concen: 15.447 ng

RT: 9.645 min Scan# 1285

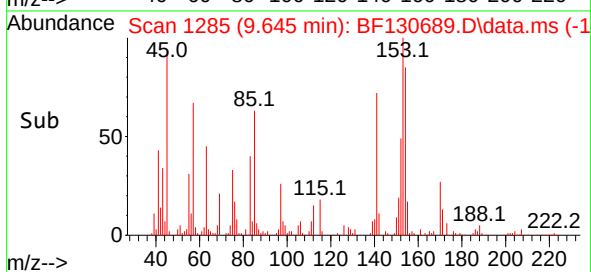
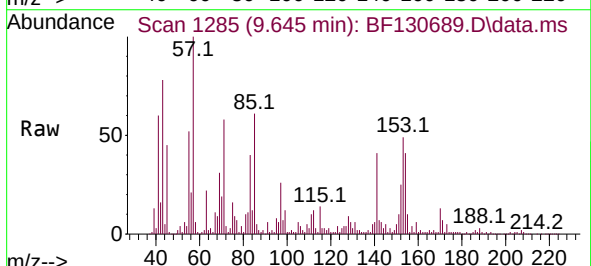
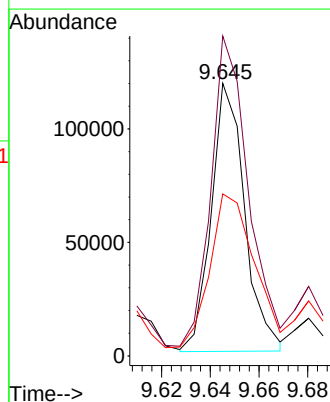
Delta R.T. 0.006 min

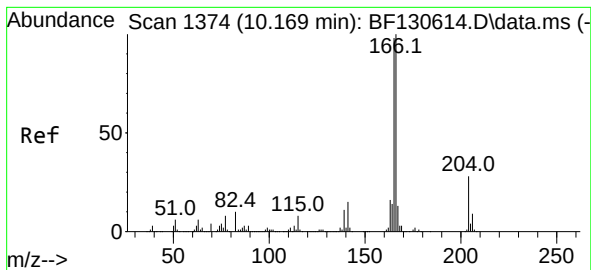
Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

Tgt Ion:154 Resp: 112468

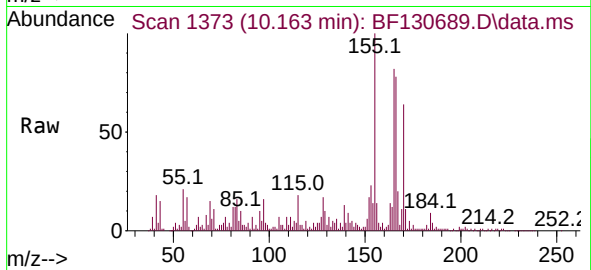
Ion	Ratio	Lower	Upper
154	100		
153	117.4	89.6	134.4
152	59.4	42.4	63.6





#58
Fluorene
Concen: 19.074 ng
RT: 10.163 min Scan# 1374
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

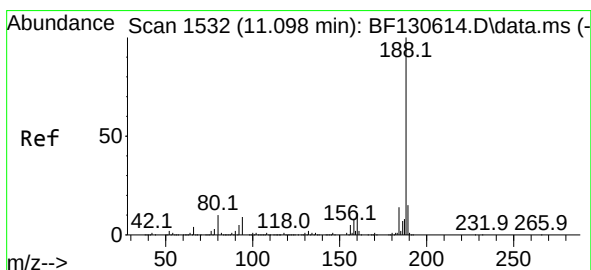
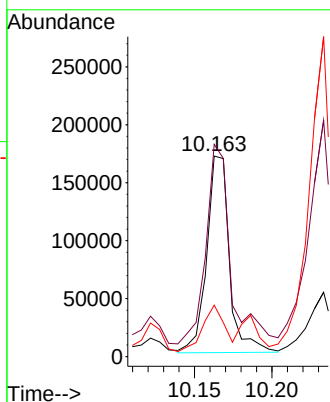
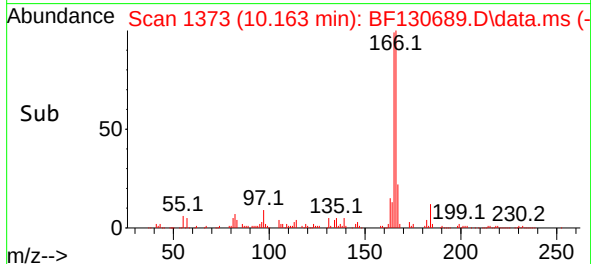
Instrument :
BNA_F
ClientSampleId :
SV34211L



Tgt Ion:166 Resp: 173923
Ion Ratio Lower Upper
166 100
165 105.8 78.2 117.4
167 25.7 10.8 16.2

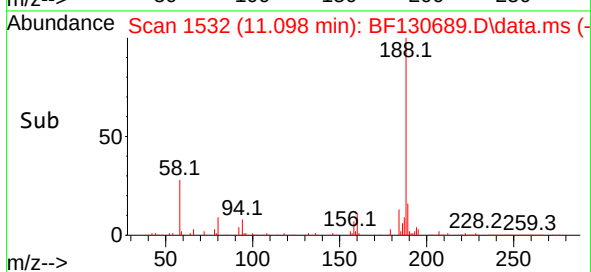
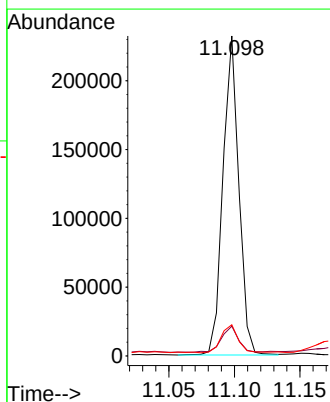
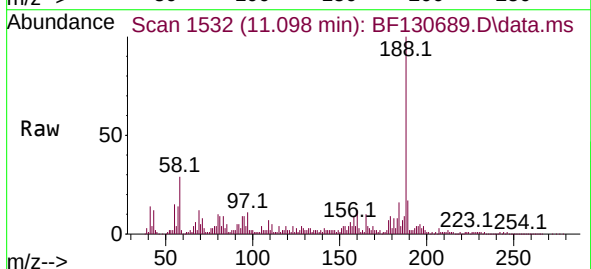
Manual Integrations
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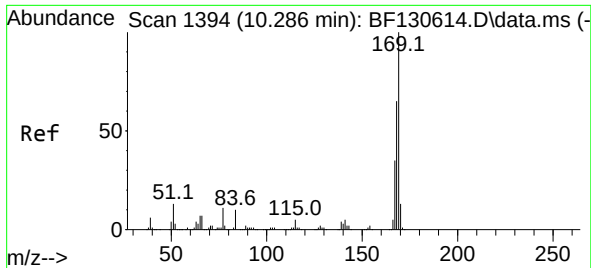
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.012 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

Tgt Ion:188 Resp: 195882
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.7 8.0 12.0





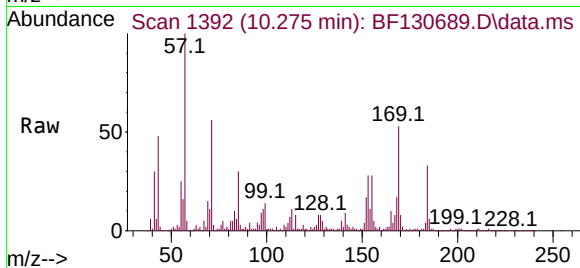
#66
n-Nitrosodiphenylamine
Concen: 41.290 ng
RT: 10.275 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

Instrument :

BNA_F

ClientSampleId :

SV34211L

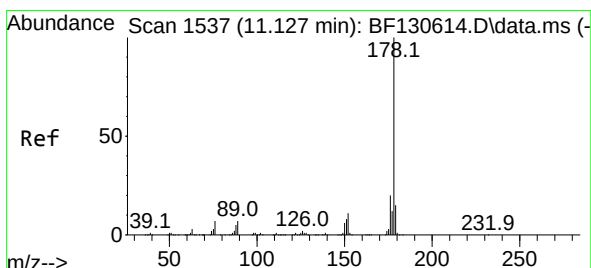
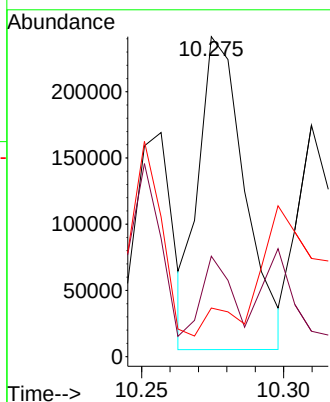
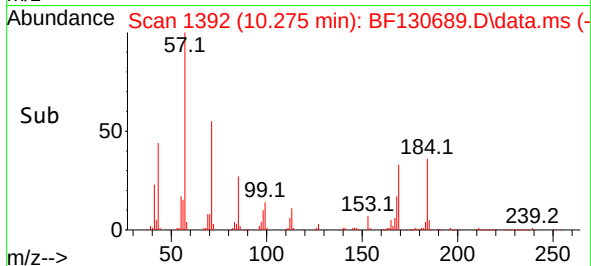


Tgt Ion:169 Resp: 269035
Ion Ratio Lower Upper
169 100
168 31.4 52.2 78.4
167 15.2 28.3 42.5

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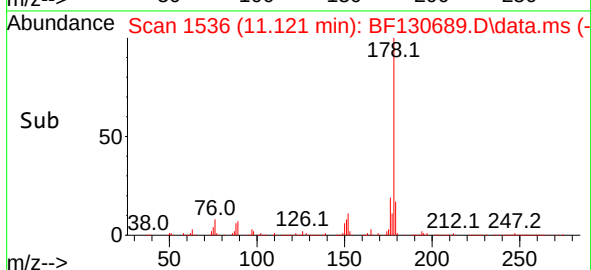
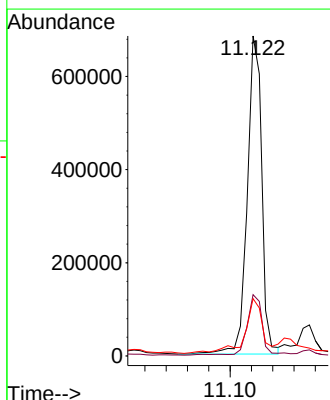
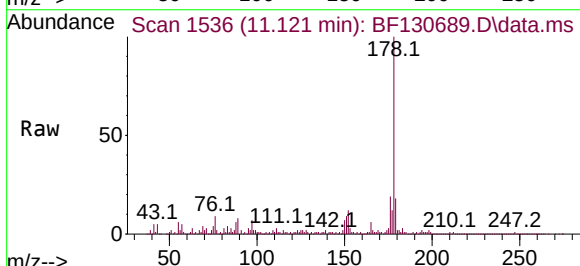
APPROVED

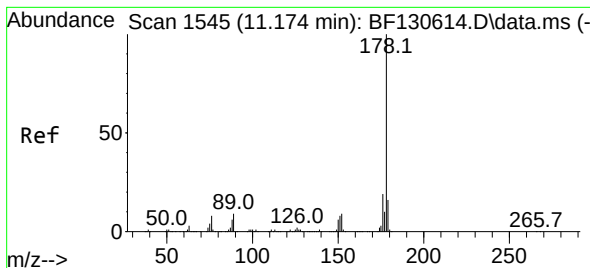
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#71
Phenanthrene
Concen: 59.134 ng
RT: 11.121 min Scan# 1536
Delta R.T. 0.012 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

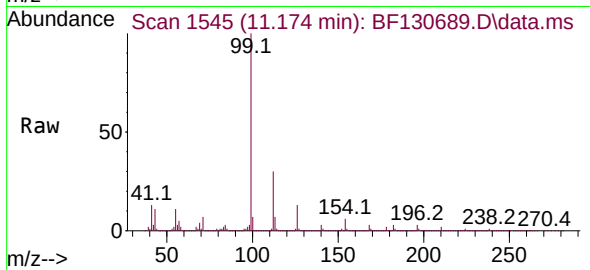
Tgt Ion:178 Resp: 641760
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 17.9 12.2 18.4





#72
 Anthracene
 Concen: 5.600 ng m
 RT: 11.174 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF130689.D
 Acq: 17 Oct 2022 16:27

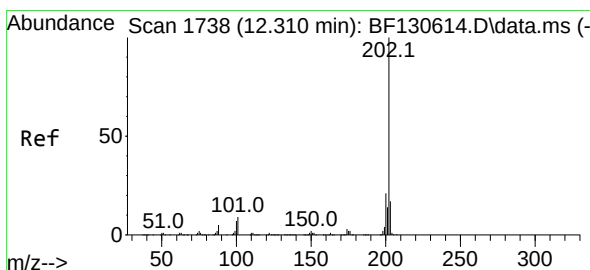
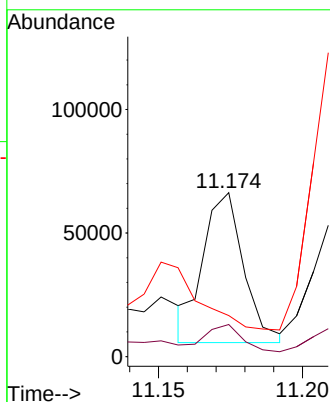
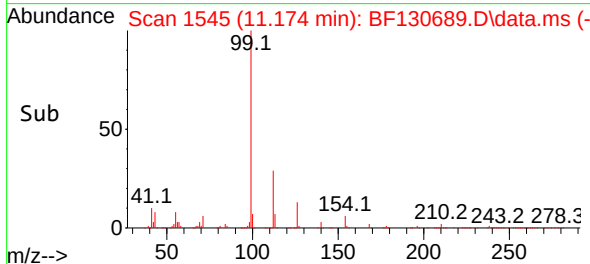
Instrument :
 BNA_F
 ClientSampleId :
 SV34211L



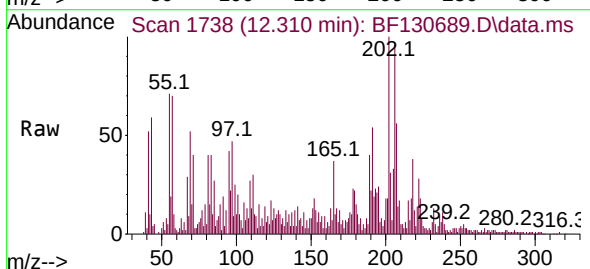
Tgt Ion:178 Resp: 5935
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 25.0 12.5 18.7

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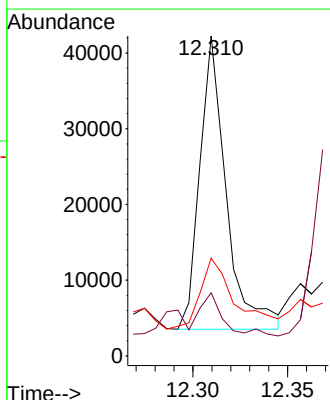
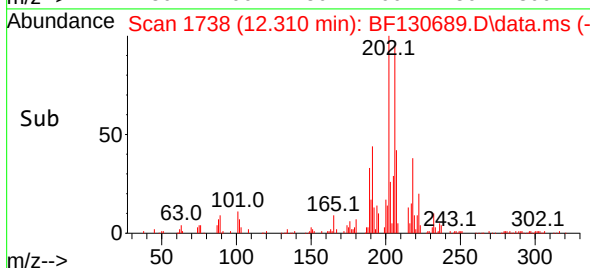
Reviewed By :Christian Giraldo 10/18/2022
 Supervised By :Jagrut Upadhyay 10/18/2022

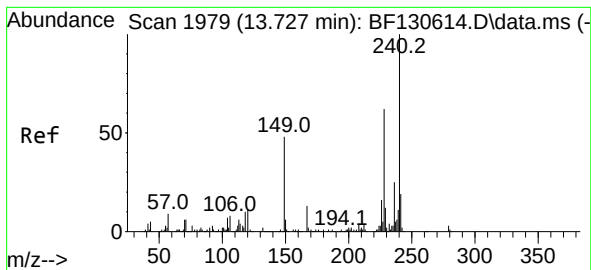


#75
 Fluoranthene
 Concen: 3.609 ng
 RT: 12.310 min Scan# 1738
 Delta R.T. 0.012 min
 Lab File: BF130689.D
 Acq: 17 Oct 2022 16:27



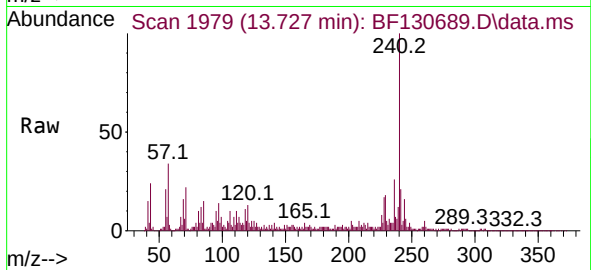
Tgt Ion:202 Resp: 37641
 Ion Ratio Lower Upper
 202 100
 101 19.7 0.0 29.1
 203 30.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.727 min Scan# 1979
Delta R.T. 0.006 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

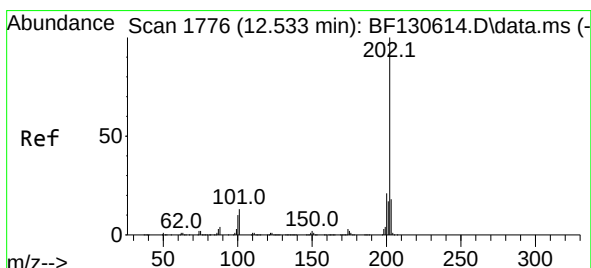
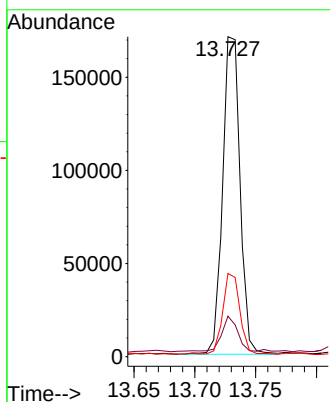
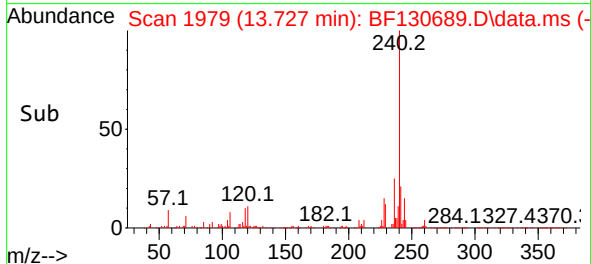
Instrument :
BNA_F
ClientSampleId :
SV34211L



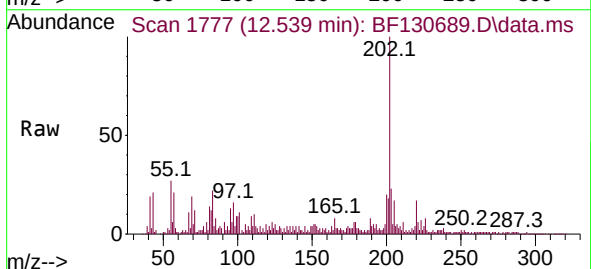
Tgt Ion:240 Resp: 17017
Ion Ratio Lower Upper
240 100
120 12.6 8.6 13.0
236 26.0 20.2 30.4

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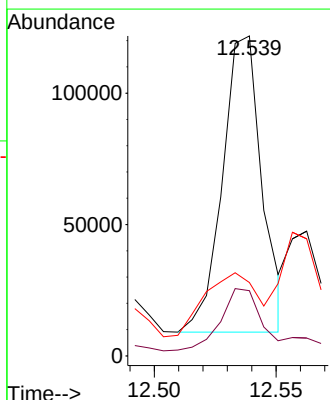
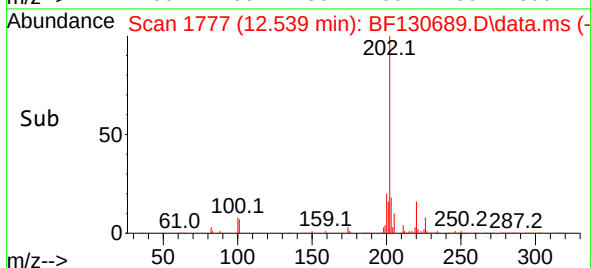
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022

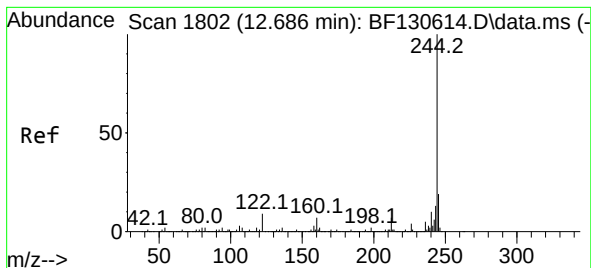


#78
Pyrene
Concen: 8.680 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.018 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27



Tgt Ion:202 Resp: 127426
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 22.9 14.0 21.0#





#79

Terphenyl-d14

Concen: 51.026 ng

RT: 12.680 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

Instrument :

BNA_F

ClientSampleId :

SV34211L

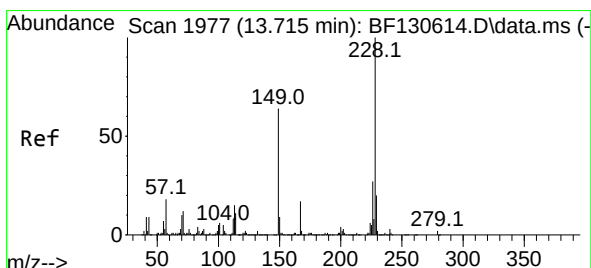
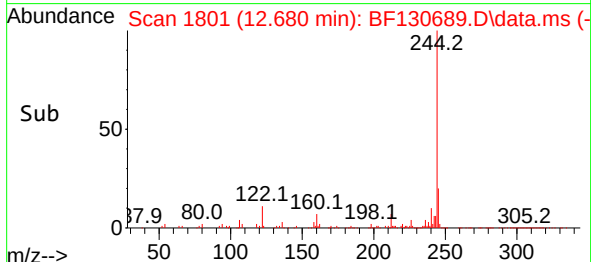
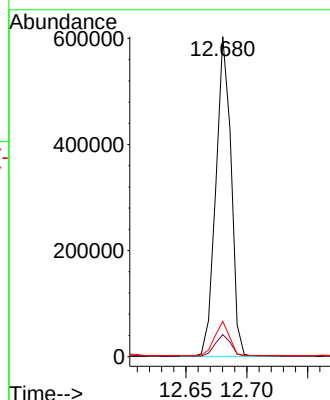
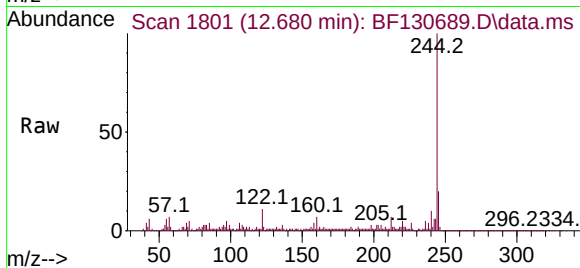
Tgt Ion:244 Resp: 523176

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	7.5	11.3

Manual Integrations

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Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#81

Benzo(a)anthracene

Concen: 4.409 ng

RT: 13.721 min Scan# 1978

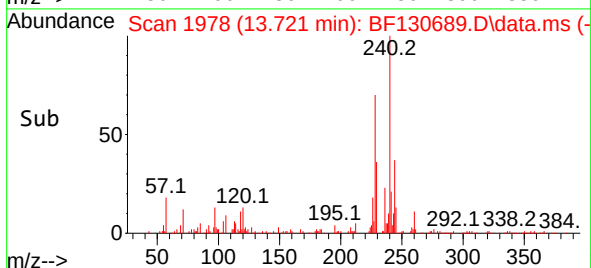
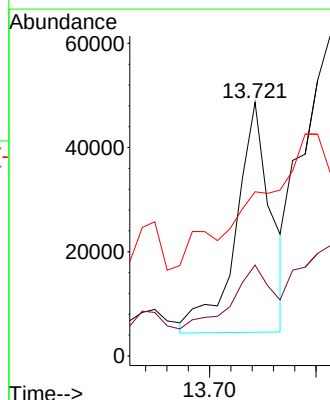
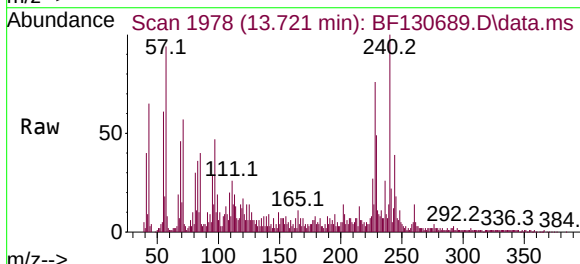
Delta R.T. 0.012 min

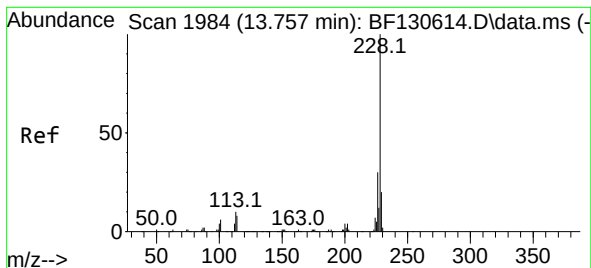
Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

Tgt Ion:228 Resp: 50554

Ion	Ratio	Lower	Upper
228	100		
226	35.8	21.4	32.2#
229	64.8	15.8	23.8#





#83

Chrysene

Concen: 7.585 ng

RT: 13.757 min Scan# 1984

Delta R.T. 0.012 min

Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

Instrument :

BNA_F

ClientSampleId :

SV34211L

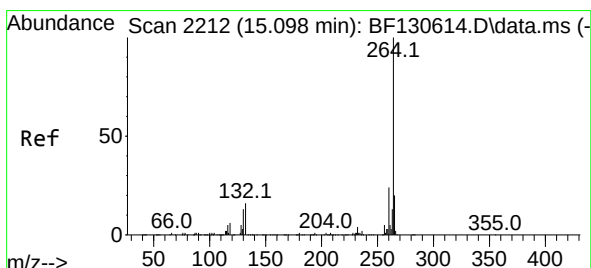
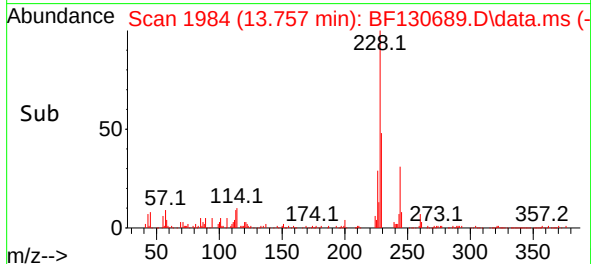
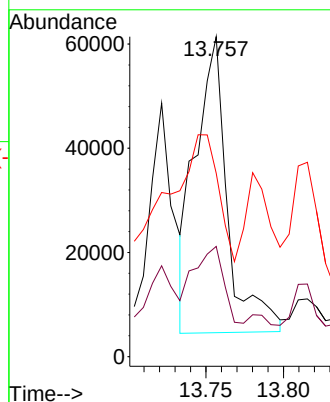
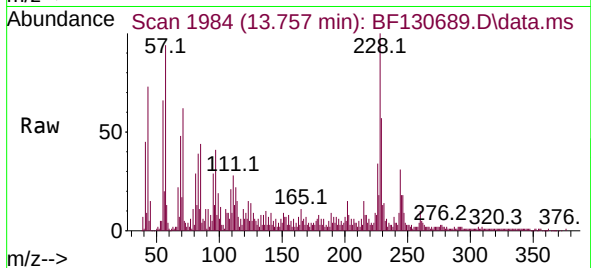
Tgt Ion:	228	Resp:	82463
Ion Ratio	Lower	Upper	
228	100		
226	34.4	23.9	35.9
229	57.3	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 10/18/2022

Supervised By :Jagrut Upadhyay 10/18/2022



#86

Perylene-d12

Concen: 20.000 ng

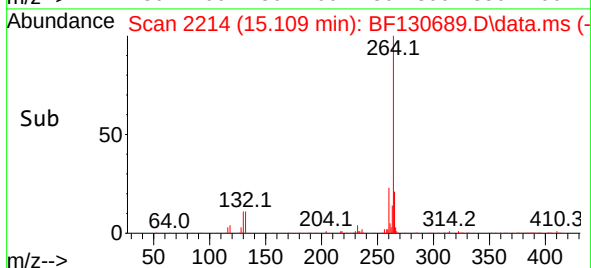
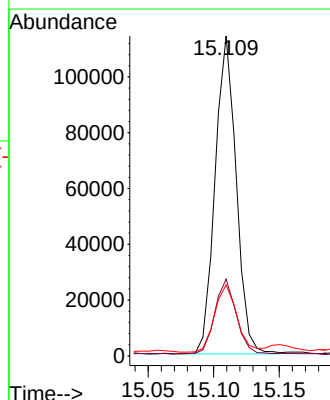
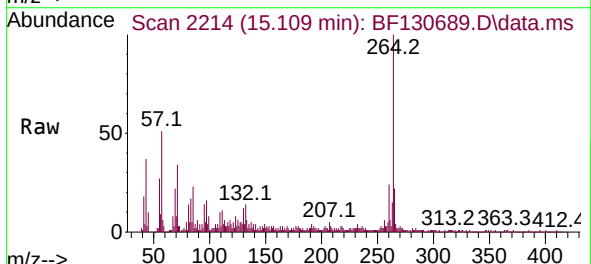
RT: 15.109 min Scan# 2214

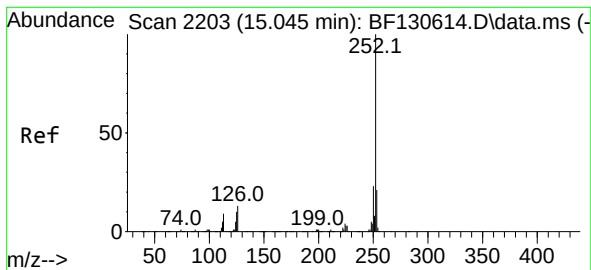
Delta R.T. 0.023 min

Lab File: BF130689.D

Acq: 17 Oct 2022 16:27

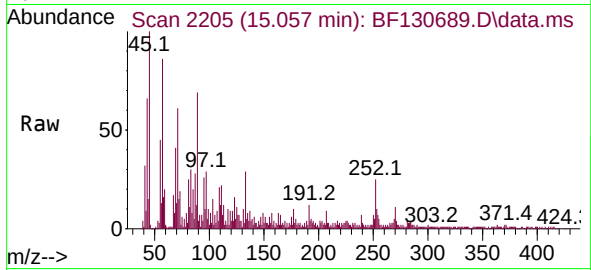
Tgt Ion:	264	Resp:	127905
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.1	28.7
265	22.2	16.4	24.6





#90
Benzo(a)pyrene
Concen: 2.956 ng
RT: 15.057 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF130689.D
Acq: 17 Oct 2022 16:27

Instrument :
BNA_F
ClientSampleId :
SV34211L



Tgt Ion:	252	Resp:	19923
Ion Ratio	Lower	Upper	
252	100		
253	38.0	17.0	25.6
125	44.5	8.4	12.6

Manual Integrations
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Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022

